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(54) INK JET RECORD HEAD, MANUFACTURE THEREOF, AND INK JET RECORDING DEVICE EQUIPPED THEREWITH

material are removed by melting them so as to complete a record head having mesh filters 14.

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(57) Abstract:

PURPOSE: To simultaneously form a filter in manufacturing a record head by generating cracks on a solid layer at a filter forming predetermined part in an ink passage upstream part of a nozzle near a discharge energy generating element and curling a nozzle forming material.

CONSTITUTION: In manufacturing a record head, a desired number of liquid discharge energy generating elements 2 are arranged on a base plate 1. Thereafter, at a liquid passage and a liquid chamber forming part on the base plate 1, a solid layer is formed in accordance with an image forming process of dry film by using a photosensitive dry film. A filter forming part of the solid layer is processed with blasting so as to generate cracks. Next, an active energy line curing material is layered on the solid layer so as to cover it and a cover plate 4 layered thereon. After a mask is layered on a liquid chamber forming predetermined part, it is irradiated with active energy line so as to be cured. Thereafter, the solid layer and the uncured curing

